

## **Panel Overview of Corps Process and Issues (Design and Monitoring)**

*Arthur T. Shak  
Chief, Coastal Engineering Section, Design Branch  
Engineering Division  
U.S. Army Engineer District, Los Angeles  
Los Angeles, CA*

### *Abstract*

*The panel topics of design and monitoring of Corps of Engineers Beach Nourishment will be discussed as applied to the San Gabriel River to Newport Bay Shore Protection Project. The project as designed and formulated in a 1958 Survey report compared to its execution starting with Stage 1 in 1964 up to the current Stage 12 beach re-replenishment, which commenced on 12 February 2002, will be presented. Monitoring methodologies and their advantages and short comings will be discussed, along with the design concepts of a “protective beach” and “feeder beach.”*